

Dell EMC PowerEdge C4140 and C4130 server comparison matrix

The PowerEdge C4140 system has the following features compared with the C4130 server.

Feature	PowerEdge C4140	PowerEdge C4130
Processor	Up to two 2nd Generation Intel® Xeon® Scalable processors with up to 24 cores per processor	Up to two Intel® Xeon® processor E5-2600 v4 product family with up to 22 cores per processor
Chipset	Intel® C620 series chipset	Intel® C610 series chipset
Accelerators	Up to four 300W Double Wide/Full Height/10.5" PCIe with custom brackets	Up to four 300W Double Wide/Full Height/10.5" PCIe with custom brackets
	Up to four SXM2 form factor with NVLINK interconnect	Up to four SXM2 form factor with NVLINK interconnect
Memory		
DIMM Speed	Up to 2933MT/s	Up to 2400MT/s
Memory Type	<ul style="list-style-type: none"> RDIMM LRDIMM 	<ul style="list-style-type: none"> RDIMM LRDIMM
Memory Module Slots	24 DDR4 DIMM slots	16 DDR4 DIMM slots
Maximum RAM	RDIMM 1.5TB	RDIMM 256GB
	LRDIMM 1.5TB	LRDIMM 1TB
Storage		
Front Bays	NA	Up to 2 x 1.8" SATA SSD boot drives Optional data drive tray supports up to 4 x 2.5" SAS/SATA drives
Storage Controllers		
Internal Controllers	NA	<ul style="list-style-type: none"> H330 H730 H730P
External Controllers	<ul style="list-style-type: none"> H840P 12Gbps SAS HBA 	<ul style="list-style-type: none"> H810
Software RAID	S140	S130
Internal Boot	Boot Optimized Storage Subsystem (BOSS): HW RAID 2 x M.2 SSDs 240GB or 480GB	NA
	Internal USB	Internal USB
	Internal Dual SD Module and vFlash* NOTE: *ESXi (only OS supported)	Internal Dual SD Module* NOTE: *ESXi (only OS supported)
Operating Systems	<ul style="list-style-type: none"> Canonical® Ubuntu® Server LTS 	<ul style="list-style-type: none"> Canonical® Ubuntu® Server LTS

Feature	PowerEdge C4140	PowerEdge C4130
	<ul style="list-style-type: none"> · Citrix® Hypervisor® · Microsoft® Windows Server® with Hyper-V · Red Hat® Enterprise Linux · SUSE® Linux Enterprise Server · VMware® ESXi® 	<ul style="list-style-type: none"> · Citrix® Hypervisor® · Microsoft® Windows Server® with Hyper-V · Red Hat® Enterprise Linux · SUSE® Linux Enterprise Server · VMware® ESXi®
Security	Cryptographically signed firmware	Cryptographically signed firmware
	Secure Boot	Secure Erase
	Secure Erase	
	Silicon Root of Trust	System Lockdown (requires iDRAC Enterprise)
	System Lockdown (requires iDRAC Enterprise)	
	TPM 1.2/2.0, TCM 2.0 (optional)	TPM 1.2/2.0, TCM 2.0 (optional)
Management		
Embedded/At-the-Server	iDRAC9	iDRAC8 with Lifecycle controller
	iDRAC RESTful API with Redfish	iDRAC RESTful API with Redfish
Consoles	OpenManage Enterprise	OpenManage Enterprise
	OpenManage Enterprise Power Manager	OpenManage Enterprise Power Manager
Mobility	OpenManage Mobile	OpenManage Mobile
Tools	Dell EMC RACADM CLI	Dell EMC RACADM CLI
	Dell EMC Repository Manager	Dell EMC Repository Manager
	Dell EMC System Update	Dell EMC System Update
	Dell EMC Server Update Utility	Dell EMC Server Update Utility
	Dell EMC Update Catalogs	Dell EMC Update Catalogs
	iDRAC Service Module	iDRAC Service Module
	IPMI Tool	IPMI Tool
	OpenManage Server Administrator	OpenManage Server Administrator
OpenManage Integrations	BMC Truesight	Microsoft® System Center
	Microsoft® System Center	
	RedHat® Ansible® Modules	VMware® vCenter
	VMware® vCenter	
OpenManage Connections	IBM Tivoli® Netcool/OMNIBus	IBM Tivoli® Netcool/OMNIBus
	IBM Tivoli® Network Manager IP Edition	HP Operations Manager
	Micro Focus® Operations Manager I	Dell OpenManage Plug-in for Oracle® Database Manager
	Nagios® Core	
	Nagios® XI	
Power Supply	NA	1100W AC Platinum
	NA	1600W AC Platinum
	2000W AC Platinum	2000W AC Platinum
	2400W AC Platinum	

Feature	PowerEdge C4140	PowerEdge C4130
	Up to 8 standard fan support	Up to 8 standard fan support
Ports		
Network Options	4 x 1GbE	2 x 1GbE
	2 x 10GbE + 2 x 1GbE	
	4 x 10GbE	
	2 x 25GbE	
Front Ports	1 x Health status LED	1 x Health status LED
	1 x Power button system ID/status LED	1 x Power button system ID/status LED
Rear Ports	4 x 1GbE	2 x 1GbE
	1 x Dedicated iDRAC network	1 x Dedicated iDRAC network
	1 x Serial	1 x Serial
	2 x USB 3.0	2 x USB 3.0
	1 x VGA	1 x VGA
Internal Ports	1 x USB 3.0	1 x USB 3.0
Slots		
PCIe	2 x Gen3 slots	2 x Gen3 slots
Video Card	1 x VGA	1 x VGA
Form Factor	1U Rack Server	1U Rack Server
Dimensions and Weight		
Height	42.80mm (1.7")	43.10mm (1.7")
Width	434.0mm (17.1")	434.0mm (17.1")
Depth	926.20mm (36.5")	885.8mm (34.87")
Weight	24.0kg (52.9lbs.)	20.2kg (44.53lbs.)

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